



CALIFORNIA DEPARTMENT OF WATER RESOURCES  
WATER USE AND EFFICIENCY BRANCH

Notice of Public Workshop and Comment Period on  
Draft Funding Recommendation  
2012 Agricultural Water Use Efficiency Proposal Solicitation  
April 17, 2013

***\*\* Please see Updated Teleconference information (May 1, 2013)***

In November 2012, the Department of Water Resources (DWR) received 54 proposals in response to the 2012 Proposition 50 Agricultural Water Use Efficiency Proposal Solicitation Package (PSP). Approximately \$23.9 million in grant funding was requested for proposed projects totaling over \$42.9 million. DWR has approximately \$15 million available for this solicitation. The 54 applications received include 15 proposals for implementation projects and 39 applications for non-implementation projects, of which 21 proposals for Research and Development/ Feasibilities/ Pilots/ Demos, 15 proposals for Training/ Education/ Outreach, and three Agricultural Water Management Plan (AWMP) Preparation proposals.

This draft funding recommendation is in addition to the 3 awarded grants for the preparation of AWMPs announced on January 23, 2013. The remaining 51 applications have been reviewed and ranked by a technical review panel. Applications are divided into two categories:

- Section A: Agricultural Water Use Efficiency Implementation Projects
- Section B: Research & Development, Feasibilities, Pilots/Demos, Training, Education, Outreach, and Technical Assistance related to Agricultural Water Use Efficiency.

The 51 Proposals included 15 Section A and 36 Section B applications requesting approximately \$17.3 million and \$6.4 million, respectively. This draft funding recommendation proposes funding 39 proposals for \$14.85 million: 12 Section A for about \$10.6 million with a local cost-share of \$16.6 million and 27 Section B for about \$4.2 million with a local cost-share of \$1.9 million.

Tables A and B, attached, show the application ranking as well as the proposed grant awards for Sections A and B respectively.

DWR staff will discuss this draft funding recommendation at a public workshop:

- Workshop Date and Time: May 9, 2013, 10:00 AM to 12:00 PM.
- Place: 901 P Street, Large Conference Room, Sacramento, CA 95814.
- Agenda: Present the draft funding recommendation, provide information of next steps, and accept public comments.
- Webex Link:  
<https://resources.webex.com/resources/j.php?ED=205452632&UID=492867147&RT=MiM0>
- Teleconference information: **\*\* Updated**  
Conference Line: 1 (866) 434-5269  
Passcode: 8614498

Grant applicants and the general public can also submit comments on this draft funding recommendation in writing. Comments must be received by 5:00 p.m. on May 15, 2013. Please e-mail comments to [AgWUE@water.ca.gov](mailto:AgWUE@water.ca.gov).

Or by mail to

Department of Water Resources  
Water Use and Efficiency Branch  
Attn: Fethi BenJemaa  
901 P Street, Third Floor  
Sacramento, California 95814

This information is also posted on DWR's website at:

[www.water.ca.gov/wateruseefficiency/finance/](http://www.water.ca.gov/wateruseefficiency/finance/)

For more information, please contact Fethi BenJemaa at (916) 651-7025 or by e-mail at [Fethi.Jemaa@water.ca.gov](mailto:Fethi.Jemaa@water.ca.gov).

**Table A**  
**Proposition 50 Grants – 2012 Agricultural Water Use Efficiency Proposal Solicitation**  
**Section A (Implementation) Proposals**  
**Proposal Rank and Draft Grant Funding Recommendation**

| Proposal Number | Rank | Applicant   | Project Title  | Total Project Cost  | Requested Funding   | Proposed Grant Award | Remarks   |
|-----------------|------|---|--|---------------------|---------------------|----------------------|---|
| 2012AWUE0022    | 1    | Buena Vista Water Storage District                        | Northern Area Pipeline Project - Phase 1   | \$10,626,844        | \$2,000,000         | \$1,800,000          | Grant request reduced by 10%  |
| 2012AWUE0029    | 2    | Reclamation District 2035                                 | Pump conversions & modernization: improving water system management, energy efficiency and air quality | \$ 471,456          | \$372,000           | \$37,600             | Fund provided for SCADA only - No funding for electric pump conversion (tasks 2 and 3).                       |
| 2012AWUE0045    | 3    | Cawelo Water District                                     | Calloway Canal Lining Project  | \$4,804,439         | \$2,000,000         | \$1,800,000          | Grant request reduced by 10%  |
| 2012AWUE0038    | 4    | Natomas Central Mutual Water Company                      | NDC Lift - Tailwater Recirculation Pump Station  | \$3,582,000         | \$2,000,000         | \$1,800,000          | Grant request reduced by 10%  |
| 2012AWUE0052    | 5    | Western Canal Water District                              | Replacement and Automation of Nelson Elevation Control Structure                                       | \$750,000           | \$666,883           | \$600,195            | Grant request reduced by 10%  |
| 2012AWUE0051    | 6    | Ventura County Resource Conservation District             | Implementing Agricultural Efficient Water Management Practices in Ventura County                       | \$904,000           | \$650,712           | \$478,000            | Funding for coordination (Tasks 2.2 & 3.2) reduced from a combined total of \$252,712 to a total of \$80,000. |
| 2012AWUE0036    | 7    | Natomas Central Mutual Water Company                      | Sankey Road Check Structure Automation Project   | \$270,000           | \$240,000           | \$216,000            | Grant request reduced by 10%  |
| 2012AWUE0040    | 8    | Butte Water District                                      | BWD Pennington Weir Replacement  | \$942,170           | \$753,320           | \$677,988            | Grant request reduced by 10%  |
| 2012AWUE0004    | 9    | Placer County Water Agency (BMS)                          | Gunite Lining of Earthen Canal to Reduce Unrecoverable Water Loss                                      | \$843,187           | \$443,753           | \$399,378            | Grant request reduced by 10%  |
| 2012AWUE0032    | 10   | Maxwell Irrigation District                               | Flow Measurement Improvements Project  | \$246,950           | \$198,440           | \$178,596            | Re-classified from Section B. Grant request reduced 10%   |
| 2012AWUE0041    | 11   | Yolo County Flood Control and Water Conservation District | Winters Main Canal Modernization Project: Integrated Precision Water Management                        | \$2,175,000         | \$1,625,000         | \$1,288,350          | Grant request reduced by 10%, and no funding for bank vegetation (\$193,500).                                 |
| 2012AWUE0030    | 12   | Orland Unit Water Users Association                       | Orland Project Northside Distribution System Improvements  | \$1,598,161         | \$1,509,161         | \$1,358,245          | Grant request reduced by 10%  |
| 2012AWUE0016    | 13   | Western Growers   | Agricultural Water Use Conservation Program Development  | \$1,540,690         | \$1,374,090         | -                    | Not Selected for Funding  |
| 2012AWUE0006    | 14   | Anderson-Cottonwood Irrigation District                   | Clear Creek Siphon Rehabilitation and Habitat Restoration Project                                      | \$1,775,000         | \$1,423,000         | -                    | Not Selected for Funding  |
| 2012AWUE0039    | 15   | Westlands Water District                                  | Expanded Irrigation System Improvement Program   | \$4,175,000         | \$2,000,000         | -                    | Not Selected for Funding  |
| <b>Total</b>    |      |   |  | <b>\$34,704,897</b> | <b>\$17,256,359</b> | <b>\$10,634,352</b>  |   |

**Table B**  
**Proposition 50 Grants – 2012 Agricultural Water Use Efficiency Proposal Solicitation**  
**Section B (R&D, Feasibilities, Pilots/Demos, Training, Education, Outreach, and Technical Assistance) Proposals**  
**Proposal Rank and Draft Grant Funding Recommendation**

| Proposal Number | Rank | Applicant                                     | Project Title  | Total Project Cost | Requested Funding | Proposed Grant Award | Remarks   |
|-----------------|------|---|--|--------------------|-------------------|----------------------|---|
| 2012AWUE0043    | 1    | University Corporation at Monterey Bay        | Satellite Irrigation Management Support (SIMS): Mapping Crop Water Requirements through Integration of Satellite Observations and CIMIS Data | \$384,616          | \$198,116         | \$198,116            |   |
| 2012AWUE0027    | 2    | Tehama County Resource Conservation District  | Northern Sacramento Valley Mobile Irrigation Lab   | \$229,791          | \$200,000         | \$200,000            |   |
| 2012AWUE0003    | 3    | California State University Fresno Foundation | Distributed Sensor Network Based Optimization of Agricultural Practices to Assess Nutrient Dynamics and Limit Nitrogen Losses                | \$193,931          | \$193,931         | \$166,644            | \$26,412 for harvesting and \$30,875 for reporting reduced to \$15,000 each.                |
| 2012AWUE0044    | 4    | Napa County Resource Conservation District    | Deploying Mobile Water Labs to Achieve Regional Water Use Efficiency   | \$282,492          | \$194,613         | \$179,613            | Do not fund Task 6 (subcontract to demonstrate improvements \$15,000)                       |
| 2012AWUE0017    | 5    | University of California, Davis               | Wireless Sensing and Control to Improve Water Use Efficiency in California Crops   | \$253,048          | \$199,257         | \$199,257            |   |
| 2012AWUE0019    | 6    | Rancho California Water District              | Virtual Technical Assistance Center Project  | \$214,966          | \$112,719         | \$112,719            |   |
| 2012AWUE0015    | 7    | Regents of the University of California       | Web-based irrigation scheduling tool for California crops  | \$199,823          | \$199,823         | \$189,823            | Do not fund Task 6a (validate VSIM/TOPS, \$10,000). Work being funded under Proposal #0024. |
| 2012AWUE0008    | 8    | California Rural Water Association            | CRWA Statewide Leak Detection Training and Technical Assistance Program  | \$192,800          | \$192,800         | \$192,800            |   |
| 2012AWUE0049    | 9    | University of California, Davis               | Microcalorimetry for rapid assessment of crop salinity tolerance   | \$262,082          | \$199,673         | \$199,673            |   |
| 2012AWUE0005    | 10   | Community Alliance With Family Farmers        | On Farm Water Conservation Outreach and Education  | \$190,682          | \$190,682         | \$170,682            | Task 2 (Planning and execution of 20 workshops) reduced from \$100,000 to \$80,000.         |
| 2012AWUE0048    | 11   | University of California, Davis               | Analysis of SDI Applications in Alfalfa to Improve Water Use Efficiency and Water Quality  | \$200,000          | \$200,000         | \$190,000            | Task 2 (experimental studies) reduced from \$112,367 to \$102,367.                          |
| 2012AWUE0009    | 12   | California Rural Water Association            | CRWA Statewide EWMP & SB X7-7 Educational Program  | \$186,000          | \$186,000         | \$166,000            | Task 4 (Training Follow-ups) reduced from \$40,000 to \$20,000.                             |
| 2012AWUE0002    | 13   | California State University Fresno Foundation | WATERIGHT Irrigation Scheduling and Field Water Management   | \$183,700          | \$183,700         | \$183,700            |   |

| Proposal Number | Rank | Applicant   | Project Title  | Total Project Cost | Requested Funding | Proposed Grant Award | Remarks   |
|-----------------|------|---|--|--------------------|-------------------|----------------------|---|
| 2012AWUE0010    | 14   | California Rural Water Association                | CRWA Northern California EWMP & SB X7-7 Technical Assistance Program   | \$198,700          | \$198,700         | \$198,700            | Combine with Proposal #0011 for a statewide program and prorate scope and funding.  |
| 2012AWUE0012    | 15   | Regents of the University of California           | Automation of Surface Irrigation Systems in California   | \$198,502          | \$198,502         | \$177,502            | Funding for Task 5 (Compare standard & automation practices) reduced from \$36,000 to \$15,000.   |
| 2012AWUE0011    | 16   | California Rural Water Association                | CRWA Southern California EWMP & SB X7-7 Technical Assistance Program   | \$198,700          | \$198,700         | \$0                  | Combined with Proposal #0010  |
| 2012AWUE0024    | 17   | University Corporation at Monterey Bay            | Automated farm-based irrigation scheduling using the VSIM/TOPS water balance modeling system   | \$255,354          | \$192,390         | \$192,390            |   |
| 2012AWUE0053    | 18   | Cachuma RCD                                       | Water Efficiency for Agricultural Operations for Statewide Application   | \$250,000          | \$166,104         | \$141,994            | Tasks 7 & 8 (Advertising / outreach) reduced from \$63,046 to \$40,000 and from \$21,064 to \$10,000.                                       |
| 2012AWUE0034    | 19   | Colorado State University                         | Validation of the Steady-state Hoffman Conceptual Model for determination of minimum crop leaching requirements and stakeholder outreach using CSUID | \$270,365          | \$200,000         | \$180,000            | Funding for simulation costs reduced by \$20,000.   |
| 2012AWUE0018    | 20   | Semitropic Water Storage District                 | Meter Calibration Facility   | \$265,392          | \$200,000         | \$180,000            | Funding reduced by \$20,000. Facility to be made available to other districts to help them meet ag water measurement accuracy requirements. |
| 2012AWUE0047    | 21   | University of California, Davis                   | Combined vegetated and slow sand filters to disinfect irrigation runoff for reuse  | \$262,307          | \$199,878         | \$179,878            | Funding reduced \$20,000  |
| 2012AWUE0014    | 22   | Cal Poly Corporation                              | Technical Assistance to Areas Serving Disadvantaged Communities  | \$199,999          | \$199,999         | \$149,999            | Funding reduced by \$50,000   |
| 2012AWUE0025    | 23   | San Joaquin County Resource Conservation District | Innovative Hydrogel Use to Prevent Runoff; Decrease Water, Electricity and Fertilizer Needs; and Promote Increased Tomato Crop Yield                 | \$28,509           | \$28,509          | \$28,509             |   |
| 2012AWUE0055    | 24   | Cachuma RCD                                       | Strategic Agriculture Water Efficiency Action Plan - Goleta, CA  | \$250,000          | \$160,965         | \$0                  | Combine with Proposal #0054 and reduce funding.   |
| 2012AWUE0037    | 25   | University of California, Davis                   | SIMETAW and Cal-SIMETAW Upgrade  | \$288,231          | \$181,353         | \$130,000            | Funding reduced to \$130,000  |
| 2012AWUE0054    | 26   | Cachuma RCD                                       | Strategic Agriculture Water Efficiency Action Plan - Carpinteria, CA   | \$250,000          | \$200,000         | \$200,000            | Combined with Proposal #0055 for a grant total of \$200,000.  |
| 2012AWUE0033    | 27   | University of California, Davis                   | Customized Web-Based Calculator for Quantifying and Monitoring the Efficiency of Agricultural Water Use  | \$177,311          | \$157,373         | \$107,373            | Funding reduce by \$50K   |

| Proposal Number | Rank | Applicant                              | Project Title   | Total Project Cost | Requested Funding  | Proposed Grant Award | Remarks                  |
|-----------------|------|--|---|--------------------|--------------------|----------------------|--------------------------|
| 2012AWUE0007    | 28   | Mission Resource Conservation District | Demonstration of Agricultural Irrigation Technologies and Improved Water Use Efficiency                     | \$237,909          | \$187,510          | -                    | Not Selected for Funding |
| 2012AWUE0031    | 29   | Ca. Land Stewardship Institute         | Demonstration Project and Technical Assistance to implement water efficiency in the Russian River watershed | \$235,200          | \$200,000          | -                    | Not Selected for Funding |
| 2012AWUE0050    | 30   | American Rivers                        | Guidance for Off-Stream Agricultural Water Efficiency Projects with Instream Benefits                       | \$140,225          | \$120,225          | -                    | Not Selected for Funding |
| 2012AWUE0013    | 32   | Pacific Institute                      | Overcoming Obstacles to Implementing EWMPs: Workshops for Growers and Irrigation Districts                  | \$106,000          | \$106,000          | -                    | Not Selected for Funding |
| 2012AWUE0042    | 33   | Westside Water District                | Data and Flow Measurements Project Phase I  | \$86,130           | \$68,904           | -                    | Not Selected for Funding |
| 2012AWUE0028    | 34   | University of California, Berkeley     | Estimating the Real Water Savings from Irrigation Efficiency: A Pilot Study                                 | \$191,800          | \$191,800          | -                    | Not Selected for Funding |
| 2012AWUE0046    | 35   | City of Plymouth                       | Feasibility Of Plymouth Ditch Modifications For Cosumnes River Pre-1914 Water Rights During Peak Water Use  | \$193,199          | \$188,139          | -                    | Not Selected for Funding |
| 2012AWUE0035    | 36   | University of California, Davis        | Maximizing efficient water use in agriculture by improving soil health with amendments                      | \$289,770          | \$198,163          | -                    | Not Selected for Funding |
| 2012AWUE0026    | 37   | University of California, Davis        | Demonstration of Agricultural Water Use Efficiency with Real-time Irrigation Management                     | \$267,390          | \$197,390          | -                    | Not Selected for Funding |
| <b>Total</b>    |      |  |   | <b>\$7,814,924</b> | <b>\$6,391,918</b> | <b>\$4,215,372</b>   |                          |